



NOTES:

1. ALL FITTINGS SHALL BE DUCTILE IRON.
2. METER AND STRAINER SHALL BE ON STRAIGHT RUN WITHIN CONCRETE VAULT.
3. METER MAY BE PURCHASED FROM CITY OR PROVIDED BY INSTALLER.
4. INTERIOR PIPING SHALL BE DUCTILE IRON.
5. CONNECTIONS IN VAULT INTERIOR AND CUSTOMER-SIDE TEE SHALL BE FLANGED. OTHER EXTERIOR CONNECTIONS 4" DIAM. AND LARGER SHALL BE MECHANICAL JOINT.
6. PVC BYPASS SHALL BE SAME-SIZE AS METER.
7. METER SHALL BE SENSUS OMNI C2, GALVANIZED AND PROGRAMMED FOR 100-GAL. INCREMENTS.
8. THREE CITY-OPERATED VALVES LOCATED ONE EACH ON INSIDE OF EACH TEE (TO FLANGE) ON STRAIGHT RUN AND ONE BYPASS VALVE ON FLANGE OF CUSTOMER SIDE BYPASS TEE.
9. CUSTOMER SIDE BYPASS TEE SHALL BE CENTERED ON ROW/EASEMENT LINE.
10. ADDITIONAL VALVE LOCATED ON CUSTOMER SIDE OF ROW/EASEMENT LINE FOR CUSTOMER OPERATION.

PIPING:

1. MINIMUM 2'-0" CLEARANCE FROM STRAIGHT-RUN VALVES (AT BYPASS TEES) TO OUTSIDE OF VAULT.
2. BYPASS CLEARANCES: 5'-0" TO METER RUN AND 18" TO OUTSIDE OF VAULT.
3. PROVIDE LINK-SEAL OR EQUIVALENT AT PIPING WALL PENETRATIONS.

VAULT/BOX:

1. VAULT MAY BE ROUND (MIN. 5' DIAM.) OR SQUARE/RECTANGULAR AS SHOWN.
2. 4500 PSI CONCRETE, GRADE 60 REBAR (ASTM A615)
3. ASHTO H-20 LOADING DESIGN
4. LOWEST STAGE OF WALL MONOLITHIC WITH FLOOR
5. 12" X 12" SUMP, CAST IRON GRATE, 24" X 24" W, X 12"D PEA GRAVEL UNDERDRAIN LOCATED AT/NEAR CORNER (NOT CENTERED IN FLOOR)
6. PIPE SUPPORTS: CONCRETE OR GALVANIZED STEEL
7. CONCRETE LID OR 1/4" STEEL (DIAMOND PLATED/OTHER NON-SKID)
8. ACCESS HATCH: DOUBLE-LEAF LOCKING ARM ALUMINUM WITH HANDLE OR WATER-TIGHT DUCTILE IRON MANHOLE FRAME AND COVER PER CITY MANHOLES DETAIL, MARKED "WATER"
9. PROVIDE EMBEDDED STEPS CENTERED UNDER ACCESS HATCH
10. INTERIOR CLEARANCES:
  - 10.1. TOP OF METER ASSEMBLY TO CEILING: 2.5' MIN.
  - 10.2. BOTTOM OF METER ASSEMBLY TO VAULT FLOOR: 1' MIN.
  - 10.3. SIDE OF METER ASSEMBLY TO INSIDE VAULT WALL
  - 10.3.1. SMALLER CLEARANCE SHALL BE 1.5' MIN.
  - 10.3.2. LARGER CLEARANCE SHALL BE 2.5' MIN.
  - 10.4. ENDS OF METER ASSEMBLY TO INSIDE VAULT WALL: 1' MIN.

### 3" AND LARGER METER INSTALLATION

NOT TO SCALE